Recombinant Mouse Peroxiredoxin-1 (Prdx1)

Product Code	CSB-EP018653MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35700
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	SSGNAKIGY PAPNFKATAV MPDGQFKDIS LSEYKGKYVV FFFYPLDFTF VCPTEIIAFS DRADEFKKLN CQVIGASVDS HFCHLAWINT PKKQGGLGPM NIPLISDPKR TIAQDYGVLK ADEGISFRGL FIIDDKGILR QITINDLPVG RSVDEIIRLV QAFQFTDKHG EVCPAGWKPG SDTIKPDVNK SKEYFSKQK
Source	E.coli
Target Names	Prdx1
Protein Names	Recommended name: Peroxiredoxin-1 EC= 1.11.1.15 Alternative name(s): Macrophage 23 kDa stress protein Osteoblast-specific factor 3 Short name= OSF-3 Thioredoxin peroxidase 2 Thioredoxin-dependent peroxide reductase 2
Expression Region	2-199
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Three transcript variants encoding the same protein have been identified for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.